

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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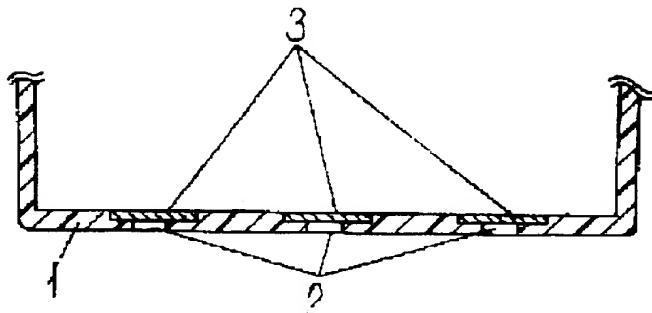
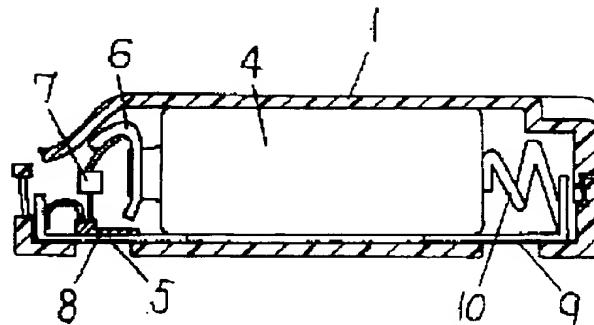
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APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : HATASAKI YASUZO;

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TITLE : PACKED BATTERY



**ABSTRACT :** PURPOSE: To provide, as a portable telephone power source, a primary battery- used packed battery which has compatibility with a secondary battery-used packed battery, having a change preventing diode connected to an internal electronic circuit, and having a plurality of air holes on a resin case.

**CONSTITUTION:** In a packed battery for portable telephone power source, air permeable porous water repelling film 3 never passing water is provided inside a plurality of air holes provided on the side surface of a facing resin case 1. The case 1 is vertically opened and closed, an air-zinc type battery (AA battery) 4 is replaced as occasion demands, a large capacity can be attained with light weight. Since a diode 7 is set between the external terminal 5 and internal terminal 6 on the positive electrode side, the packed battery in which a primary battery is installed is never charged when set to a battery charger. As a double countermeasure to charge prevention, a thermosensitive element or thermal fuse 8 may be connected in series to the diode. The appearance color tone of the packed battery 4 is set to yellow, orange, green or white which is opposite colors to the black or gray of the secondary battery pack.

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